

BNL "Site Level" Job Risk Assessment

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|--|-------------------------------------|--|-------------------|------------|--------------------|-------------------------------|
| Name(s) of "Sample" Risk Team Members: A. Piper, J. Taylor, F. Horn, A. Emrick, J. Peters, J. Selva | Point Value → Parameter ↓ | 1 | 2 | 3 | 4 | 5 |
| Name(s) of Specific Application Risk Team Members: | | | | | | |
| Job Title: Bicycle Riding | Frequency (B) | ≤once/year | ≤once/month | ≤once/week | ≤once/shift | >once/shift |
| Job Number or Job Identifier: None | | | | | | |
| Job Description: Riding a bicycle on paved roads for business purposes | Severity (C) | First Aid Only | Medical Treatment | Lost Time | Partial Disability | Death or Permanent Disability |
| Training Procedures List (Optional): Applicable Standard Operating Procedures: | Likelihood (D) | Very Unlikely | Unlikely | Possible | Probable | Multiple |
| Approved by: J. Selva Date: 07/07/09 Rev. #: 2 | | | | | | |
| Stressors (if applicable, please list all): heat stress, adverse weather conditions, adverse road conditions such as sand | | Reason for Revision (if applicable): Rev 1: To incorporate comments for math errors in the risk calculations as recognized by worker. Rev 2: Triennial Review | | | Comments: | |

| Activity | Hazard | Control(s) | Before Additional Controls | | | | | Control(s) Added to Reduce Risk | After Additional Controls | | | | | % Risk Reduction | |
|---|---|---|----------------------------|---------------|-------------|------------|--------------|---|---------------------------|-----------|---------------|-------------|------------|------------------|--------------|
| | | | Stressor | # of People A | Frequency B | Severity C | Likelihood D | | Risk* AxBxCxD | Stressors | # of People A | Frequency B | Severity C | | Likelihood D |
| Entering and riding in streets with vehicle traffic | Fall from bicycle and struck by vehicle traffic | Helmet, traffic rules, snow and ice removal, lighting, <i>Traffic Safety</i> subject area; awareness Bulletins, Healthfest promotions, bicycle safety equipment such as reflectors & lights, maintenance of BNL owned bicycles, road signage, | N | 1 | 4 | 3 | 3 | formal training on bicycle safety with knowledge such as hand signals | | 1 | 4 | 3 | 2 | 24 | 50% |
| | | | Y | 1 | 4 | 3 | 4 | | 48 | | | | | | |
| Riding/Pedaling a bicycle | Injury from excessive physical exertion from pedaling bicycle | Gears to assist in torque on pedals, relatively flat terrain at BNL, maintenance of bicycles, Natural Hazard subject area warnings of heart stress. | Y | 1 | 4 | 1 | 2 | | | | | | | | |
| | Injury from fall caused by road hazards | Road maintenance and repair, street sweeping, bicycled lighting at night | Y | 1 | 4 | 2 | 2 | | | | | | 16 | | |

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| | | | Stressor | # of People A | Frequency B | Severity C | Likelihood D | | Risk* AxBxCxD | Stressors | # of People A | Frequency B | Severity C | | Likelihood D |
| | Injury from fall from bicycle if clothing trapped in moving parts | Clips/ ties or tucked in pants; chain guards | N | 1 | 4 | 1 | 3 | 12 | | | | | | | |
| Carrying packages while riding the bicycle | Loss of control from shifting weight or arms not on handle bars | Carrier racks, baskets, saddle bags | N | 1 | 4 | 2 | 3 | 24 | | | | | | | |

| | | | | | |
|---------------|-------------------|-------------------|-----------------|--------------------|----------------------|
| *Risk: | 0 to 20 | 21 to 40 | 41-60 | 61 to 80 | 81 or greater |
| | Negligible | Acceptable | Moderate | Substantial | Intolerable |